Postdoctoral Fellowships in the Complex Systems Group

The Complex Systems Group (T-13) in the Theoretical Division in Los Alamos National Laboratory is continually seeking applicants for postdoctoral fellowships.

Research in the Complex Systems Group

The group performs theoretical and computational research in the following areas:

Statistical Physics: nonequilibrium dynamics, thermodynamics, kinetic theory, statistical hydrodynamics, soft matter, granular and colloidal matter, polymers, disordered systems, complex networks, communication theory. *E. Ben-Naim, M. Chertkov, M.B. Hastings, C. Jarzynski, C. Reichhardt, H.A. Rose, Z. Toroczkai.*

Nonlinear Physics: Chaos, dynamical systems, nonlinear waves, pattern formation. *E. Ben-Naim, G.P. Berman, M. Chertkov, M.B. Hastings, E.P. MacKerrow, C. Reichhardt, Z. Toroczkai.*

Fluid Dynamics: turbulence, fluid instabilities, multiphase flows, mixing, advection. *M. Chertkov, G.D. Doolen, S. Hou, B. Plohr, H.A. Rose, D.H. Sharp, T. Wallstrom.*

Uncertainty Quantification: Error analysis of complex simulations. *D.H. Sharp, T. Wallstrom.*

Quantum Dynamics: Quantum information, decoherence, bose einstein condensates. *G.P. Berman, G.D. Doolen.*

Computational Biology: Genetic networks, epidemiological modeling, neural networks, protein interactions. *C. Jarzynski, S. Hou, A.S. Lapedes, D.H. Sharp.*

General Information

Postdoctoral appointments are normally for two years and limited to candidates within 5 years of completion of PhD. Postdoctoral appointments at Los Alamos offer competitive salaries (over $60,000). Additionally, a generous and comprehensive benefits package is offered, including relocation reimbursement.

To apply, please send a cover letter including a brief research statement, a curriculum vitae including a publication list, and arrange for three confidential letters of reference to be sent to:

Eli Ben-Naim (ebn@lanl.gov), Chair
Postdoctoral Search Committee
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